

Recombinant Human ESM1, His tagged

Cat. No. ESM1-189H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human ESM1 (NP_008967.1) (Met1-Arg184), fused with a C-terminal polyhistidine tag, was produced in Baculovirus-Insect cells.
Species	Human
Source	Insect Cells
ProteinLength	1-184 a.a.
Predicted N Terminal	Trp 20
Form	Lyophilized from sterile 20mM Tris, 500mM NaCl, 10% glycerol, pH 8.0. Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization.
Molecular Mass	The secreted recombinant human ESM1 consists of 176 amino acids and predicts a molecular mass of 19.6 KDa. The apparent molecular mass of the protein is approximately 23-27 KDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 eu per µg of the protein as determined by the LAL method.
Purity	>95 % as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70oC.
Storage	Store it under sterile conditions at -20oC~-70oC. It is recommended that the protein

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be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name ESM1 endothelial cell-specific molecule 1 [Homo sapiens]

Official Symbol ESM1

Gene ID 11082

mRNA Refseq NM_001135604

Protein Refseq NP_001129076

MIM 601521

UniProt ID Q9NQ30

Chromosome Location 5q11

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